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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Nimmakayala, Pawan Kumar
App. No.: 10/735,110 GPAU: 2851
Filing Date: December 12, 2003 Examiner: (unassigned)
Dkt. No.: P122-64V58 Conf. No.: 1928
For: Magnification Correction Employing Out-Of-Plane Distortion
of a Substrate

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
☐ Other:

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the

Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed: Katrina Prati

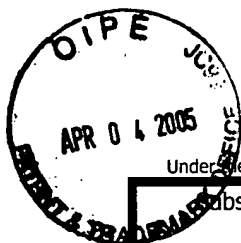
Typed Name: Katrina Prati

Date: 4-1-05

Respectfully Submitted,



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PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

APPLICATION NUMBER	10/735,110
FILING DATE	12/12/2003
FIRST NAMED INVENTOR	Nimmakayala et al.
Group Art Unit	2851
Examiner Name	Unassigned
Attorney Docket Number	P122-64V58

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office 3	Number ⁴	Kind Code ⁵ (if known)				

	E1		5,414,514		Smith et al.	5/9/1995		
	E2		5,808,742		Everett et al.	9/15/1998		
	E3		6,088,103		Everett et al.	7/11/2000		
	E4		6,137,562		Masuyuki et al.	10/24/2000		
	E5		6,391,217	B2	Schaffer et al.	5/21/2002		
	E6		6,522,411	B1	Moon et al.	2/18/2003		
	E7		2004/0007799	A1	Choi et al.	1/15/2004		
	E8		2004/0021254	A1	Sreenivasan et al.	2/5/2004		
	E9		2004/0021866	A1	Watts et al.	2/5/2004		
	E10		2004/0022888	A1	Sreenivasan et al.	2/5/2004		
	E11		2003/0092261	A1	Kondo et al.	5/15/2003		
	E12		2003/0179354	A1	Araki et al.	9/25/2003		
	E13		2002/0177319	A1	Chou	11/28/2002		
	E14		2002/0150398	A1	Choi et al.	10/17/2002		
	E15		2004/0008334	A1	Sreenivasan et al.	1/15/2004		
	E16		2004/0009673	A1	Sreenivasan et al.	1/15/2004		
	E17		2004/0124566	A1	Sreenivasan et al.	7/1/2004		
	E18		2004/0089979	A1	Rubin	5/13/2004		

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				FIRST NAMED INVENTOR Nimmakayala et al.	
				Group Art Unit 2851	
				Examiner Name Unassigned	
				Attorney Docket Number P122-64V58	
Sheet	2	of	7		

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		Office 3	Number ⁴	Kind Code ⁵ (if known)				

	E19	2004/0086793	A1	Sreenivasan et al.	5/6/2004	
	E20	2004/0053146	A1	Sreenivasan et al.	3/18/2004	
	E21	3,783,520		King	1/8/1974	
	E22	6,150,231		Muller et al.	11/21/2000	
	E23	6,489,068	B1	Kye	12/3/2002	
	E24	6,646,662	B1	Nebashi et al.	11/11/2003	
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	E28	4,848,911		Uchida et al.	7/18/1989	
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	E30	5,148,036		Matsugu et al.	9/15/1992	
	E31	5,148,037		Suda et al.	9/15/1992	
	E32	6,518,189	B1	Chou	2/11/2003	
	E33	2002/0132482	A1	Chou	9/19/2002	
	E34	2002/0167117	A1	Chou	11/14/2002	
	E35	6,482,742	B1	Chou	11/19/2002	
	E36	2003/0080471	A1	Chou	5/1/2003	

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FIRST NAMED INVENTOR		Nimmakayala et al.			
Group Art Unit		2851			
Examiner Name		Unassigned			
Attorney Docket Number		P122-64V58			
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	E37	2004/0036201	A1	Chou et al.	2/26/2004	
	E38	2004/0192041	A1	Jeong et al.	9/30/2004	
	E39	6,828,244	B2	Chou	12/7/2004	
	E40	6,809,356	B2	Chou	10/26/2004	
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	E42	2002/0018190	A1	Nogawa et al.	2/14/2002	
	E43	2004/0197843	A1	Chou et al.	10/7/2004	
	E44	2004/0156108	A1	Chou et al.	8/12/2004	
	E45	2004/0137734	A1	Chou et al.	7/15/2004	
	E46	2004/0131718	A1	Chou et al.	7/8/2004	
	E47	2004/0118809	A1	Chou et al.	6/24/2004	
	E48	2004/0046288	A1	Chou	3/11/2004	
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	E51	2002/0042027	A1	Chou et al.	4/11/2002	
	E52	6,636,311	B1	Ina et al.	10/21/2003	
	E53	6,383,888	B1	Stirton	5/7/2002	
	E54	2004/0033515	A1	Cao et al.	2/19/2004	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

	E55	5,999,245		Suzuki	12/7/1999	
	E56	2004/0223131	A1	Choi et al.	11/11/2004	
	E57	6,630,410	B2	Trapp et al.	10/7/2003	
	E58	6,580,172	B2	Mancini et al.	6/17/2003	
	E59	10/999,898		Cherala et al.	11/30/2004	
	E60	4,512,848		Deckman et al.	4/23/1985	
	E61	6,388,755	B1	Zhao	5/14/2002	
	E62	6,295,120	B1	Miyatake	9/25/2001	
	E63	6,049,373		Miyatake	4/11/2000	
	E64	6,285,439	B1	Miyatake	9/4/2001	
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	E66	6,517,995	B1	Jacobson et al.	2/11/2003	
	E67	4,256,829		Daniel	3/17/1981	
	E68	2004/0110856	A1	Young et al.	6/10/2004	
	E69	5,028,366		Harakal et al.	7/2/1991	
	E70	5,601,641		Stephens	2/11/1997	
	E71	5,849,209		Kindt-Larsen et al.	12/15/1998	
	E72	5,849,222		Jen et al.	12/15/1998	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

	E73	WO	00/21689		Chou et al.	4/20/2000		
	E74	JP	02-92603		Kurikawa et al.	4/3/1990		
	E75	JP	02-24848		Kamio	1/26/1990		
	E76	WO	01/47003		Steiner et al.	6/28/2001		
	E77	WO	02/07199		Chou	1/24/2002		
	E78	WO	2004/114016		Chou et al.	12/29/2004		
	E79	WO	99/05724		Chou et al.	2/4/1999		
	E80	WO	03/010289		Chou et al.	2/6/2003		
	E81	WO	03/079416		Chou	9/25/2003		
	E82	WO	03/099536		Chou et al.	12/4/2003		

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				Examiner Name	Unassigned
Sheet 6 of 7				Attorney Docket Number	P122-64V58

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	E83	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	E84	Heidari, Nanoimprint Lithography at the 6 in. Wafer Scale, J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000	
	E85	Martin et al., Predication of Fabrication Distortions in Step and Flash Imprint Lithography Templates, Journal of Vacuum Science Technology B 20(6), pp. 2891-2895, 11/1/2002	
	E86	White et al., Novel Alignment System for Imprint Lithography, J. Vac. Sci. Technol. B 18(6), pp. 3552 - 3556, 11/1/2000	
	E87	Translation of Japanese Patent 02-92603	
	E88	Translation of Japanese Patent 02-24848	
	E89	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002	
	E90	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996	
	E91	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	

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Sheet <u>7</u> of <u>7</u>				Attorney Docket Number	P122-64V58

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	E92	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	E93	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	E94	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	E95	Wronosky et al., Wafer and Reticle Positioning System for the Extreme Ultraviolet Lithography Engineering Test Stand, Emerging Lithography Technologies, Proceedings of SPIE Vol. 3997, pp. 829-839, 7/1/2000	
	E96	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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